

Health and Disease Summary

July 2019

South Dakota Cancer Registry

<https://getscreened.sd.gov/registry/index.aspx>

South Dakota Cancer Registry Receives National Recognition

The South Dakota Cancer Registry (SDCR) has achieved national recognition:

- Registry of Distinction from CDC's National Program of Cancer Registries
- Gold Standard Certification from the North American Association of Central Cancer Registries for the 2019 Call for Data

These achievements mean South Dakota data are eligible for inclusion in the following reports:

- *Cancer in North America 2012-2016*, found at <https://www.naaccr.org/wp-content/uploads/2019/05/CINA2018.v1.combined-incidence-2.pdf>
- *United States Cancer Statistics*, found at <https://www.cdc.gov/cancer/npcr/uscs/>



South Dakota American Indian Cancer Disparities Data Report

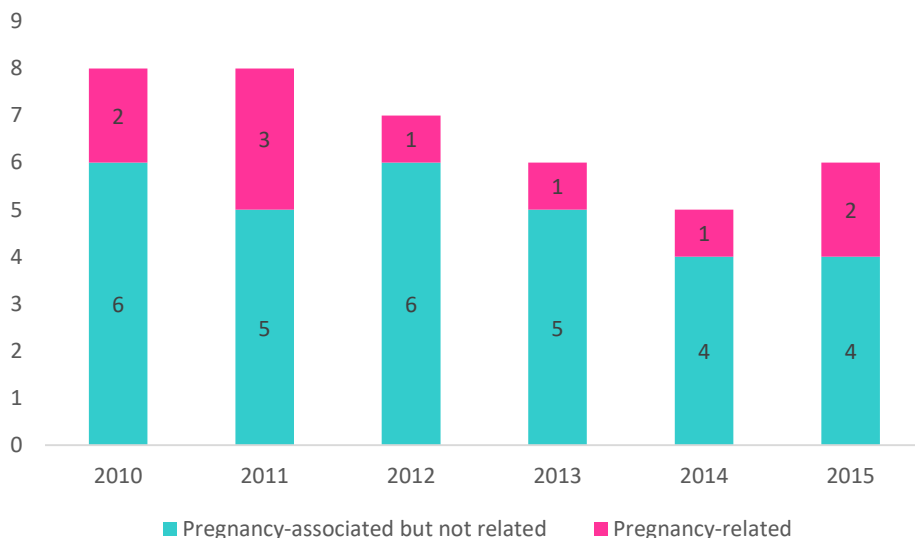
The South Dakota Department of Health and Great Plains Tribal Chairmen's Health Board partnered to develop the [South Dakota American Indian Cancer Disparities Data Report](#) highlighting the unequal burden and disparities between the white and American Indian populations in SD for female breast, cervical, colorectal and lung cancers. Among the American Indian population in SD, incidence and mortality rates are higher and the American Indian population was diagnosed at a later stage compared to the white population for all four cancers examined, with many being significantly higher. To reduce these disparities, cancer prevention and control ***stakeholders should collaborate to implement evidence-based cancer prevention, early detection, treatment and survivorship interventions among the American Indian population*** in SD.

Paper copies of the report can be ordered free of charge at <https://doh.sd.gov/resources/publications/>.

An electronic copy of the report can be found at <https://getscreened.sd.gov/documents/AmericanIndianCancerDisparitiesReport.pdf>.

South Dakota Maternal Mortality

Pregnancy-Associated but Not Related vs. Pregnancy-Related Deaths, 2010-2015



Pregnancy-associated death: The death of a woman while pregnant or within one year of the end of pregnancy, regardless of the cause.

Pregnancy-associated, but not related death: The death of a woman during pregnancy or within one year of the end of pregnancy from a cause that is **not** related to pregnancy.

Pregnancy-related death: The death of a woman during pregnancy or within one year of the end of pregnancy from a pregnancy complication, a chain of events initiated by pregnancy, or the aggravation of an unrelated condition by the physiologic effects of pregnancy.



South Dakota Infectious Disease Summary 2019

Disease/Agent	Cases YTD	Rate	5-Year Median YTD	Percent change
Campylobacter	374	42.4	257	+46%
Carbapenem-resistant Enterobacteriaceae	26	2.9	30	-13%
Chlamydia	2655	300.9	2510	+6%
Coccidioidomycosis	5	0.6 [‡]	4*	+25%
Cryptosporidiosis	98	11.1	83	+18%
Cyclosporiasis	6	0.7 [‡]	2	+200%
E. coli, shiga toxin-producing	95	10.8	38	+150%
Ehrlichiosis	0	0.0 [‡]	1	-100%
Giardiasis	45	5.1	61	-26%
Gonorrhea	1092	123.8	672	+63%
Haemophilus influenzae, invasive	14	1.6 [‡]	9*	+56%
Hepatitis A	6	0.7 [‡]	0	--
Hepatitis B, chronic	21	2.4	29	-28%
Hepatitis C, acute and chronic	321	36.4	353	-9%
HIV, including Stage III (AIDS)	14	1.6 [‡]	18	-22%
Legionellosis	13	1.5 [‡]	5	+160%
Listeriosis	0	0.0 [‡]	0	--
Lyme disease	6	0.7 [‡]	6	+0%

YTD: Year-to-Date Rate: Cases per 100,000 population 5-Year Median: 2014–2018 (* Denotes 3-Year Median: 2016–2018)

‡ Unstable rate based on <20 observations



South Dakota Infectious Disease Summary 2019

Disease/Agent	Cases YTD	Rate	5-Year Median YTD	Percent change
Malaria	3	0.3 [‡]	4	-25%
Measles	0	0.0 [‡]	0	--
MRSA, invasive	86	9.7	82	+5%
Pertussis	93	10.5	12	+675%
Pneumococcal disease, invasive	70	7.9	69	+1%
Q fever	9	1.0 [‡]	4	+125%
Rabies, animal	4	NA	13	-69%
Salmonella	106	12.0	137	-23%
Shigella	7	0.8 [‡]	19	-63%
Spotted fever Rickettsiosis	5	0.6 [‡]	3	+67%
Syphilis, early	23	2.6	31	-26%
Toxic shock syndrome	0	0.0 [‡]	--	--
Tuberculosis	9	1.0 [‡]	8	+13%
Tularemia	10	1.1 [‡]	11	-9%
Varicella	22	2.5	17	+29%
Vibriosis	3	0.3 [‡]	7*	-57%
West Nile Virus	3	0.3 [‡]	33	-91%

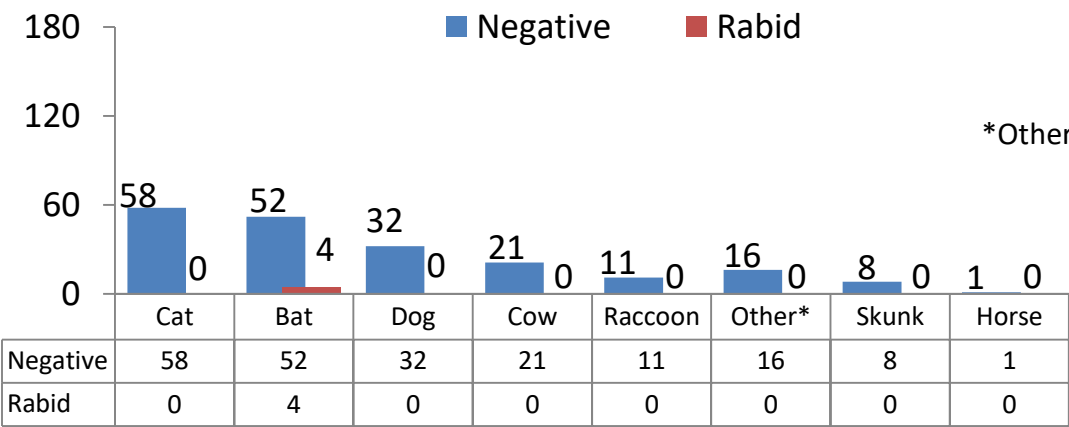
YTD: Year-to-Date Rate: Cases per 100,000 population 5-Year Median: 2014–2018 (* Denotes 3-Year Median: 2016–2018)
‡ Unstable rate based on <20 observations

Rabies

Rabies is a fatal, but preventable, disease of mammals most often transmitted through the bite of a rabid animal.

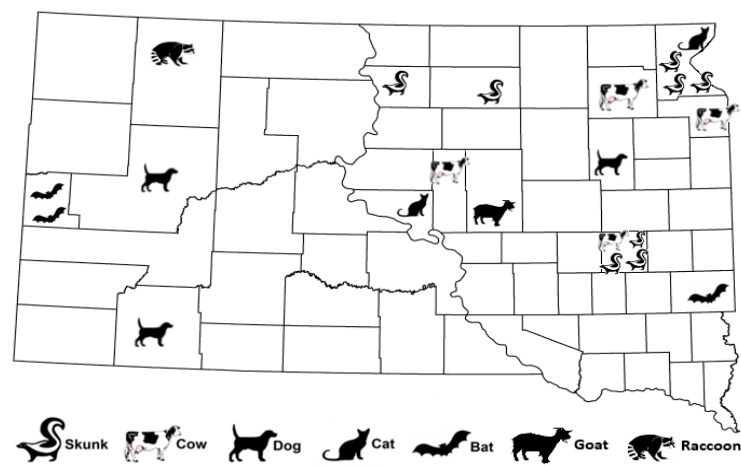
Counties

Minnehaha: Bat(3)
Moody: Bat(1)

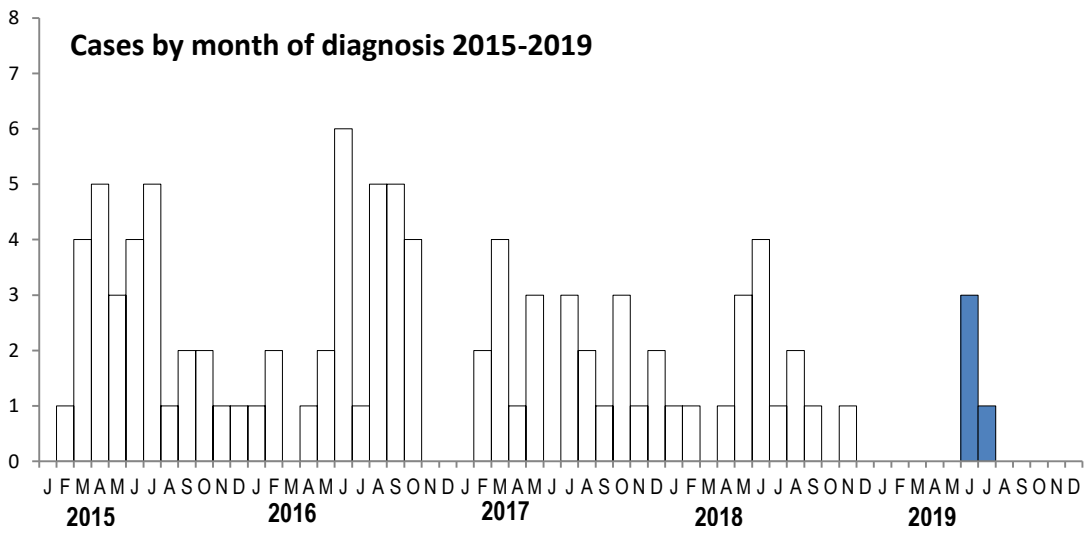


*Other: coyote (1), donkey (1), fox (1), muskrat (4), opossum (2), squirrel (5), woodchuck (2)

Animal Rabies in South Dakota, 2017 (N=22)

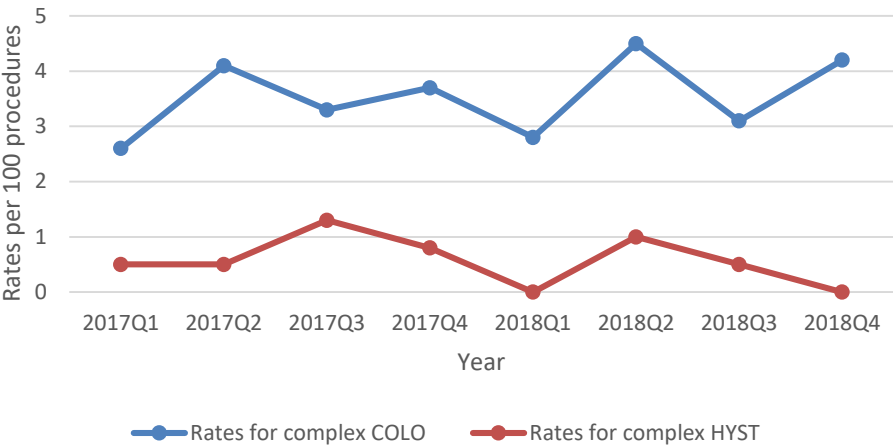


Cases by month of diagnosis 2015-2019

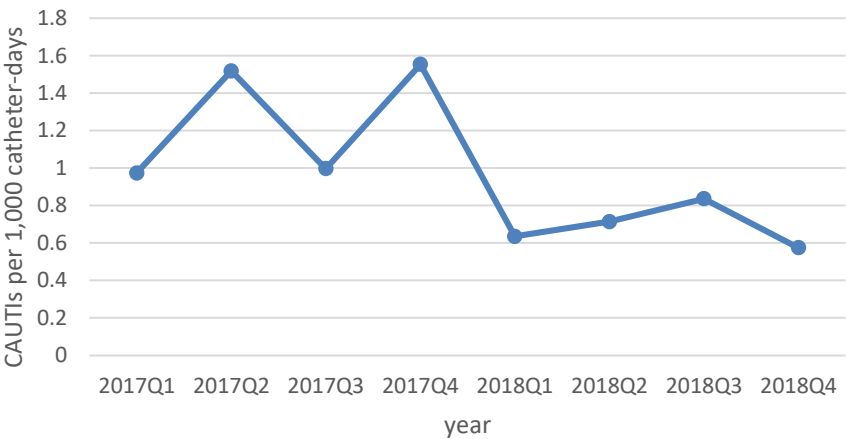


National Healthcare Safety Network

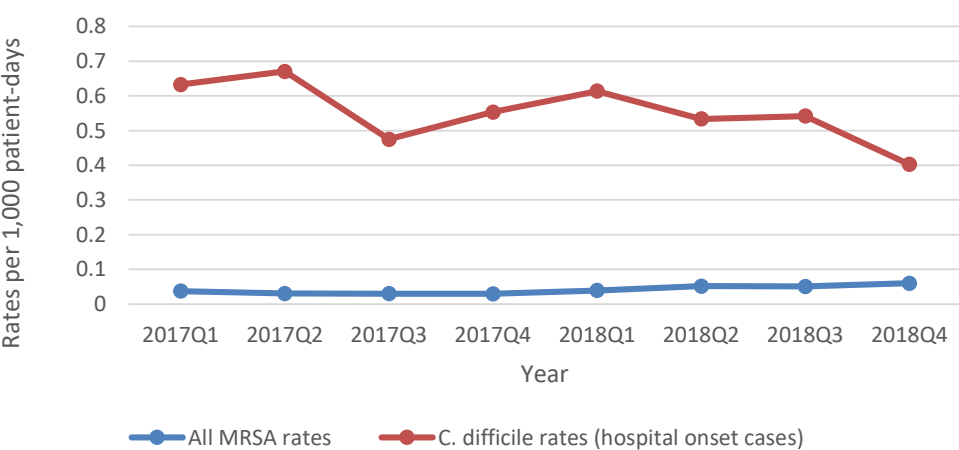
Surgical site infections. Complex COLO and HYST rates, Acute care hospitals, 2017-2018



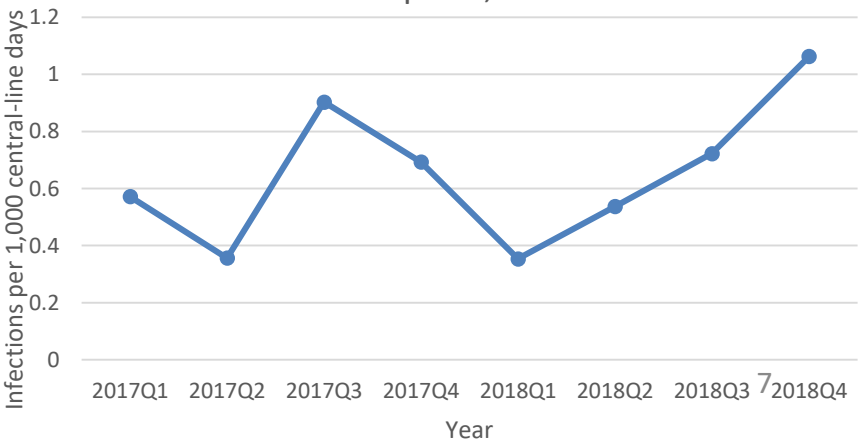
CAUTI rates per 1,000 catheter-days, Acute care hospitals, 2017-2018



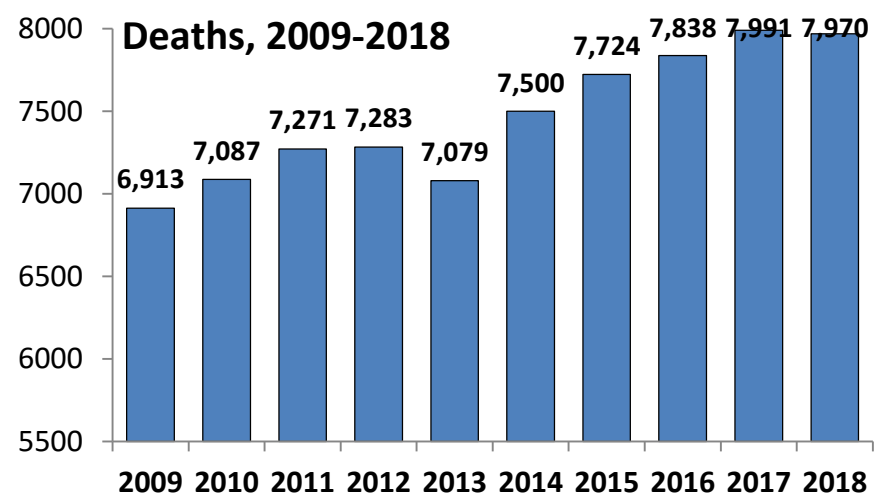
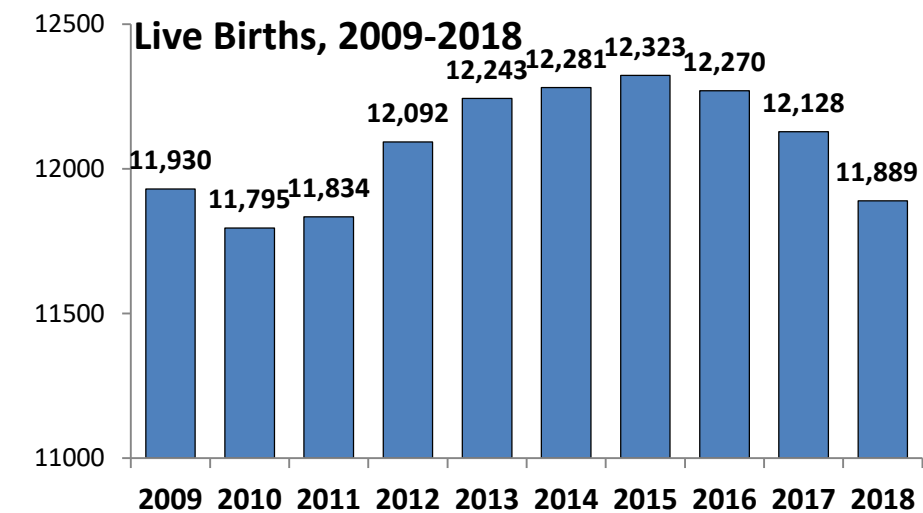
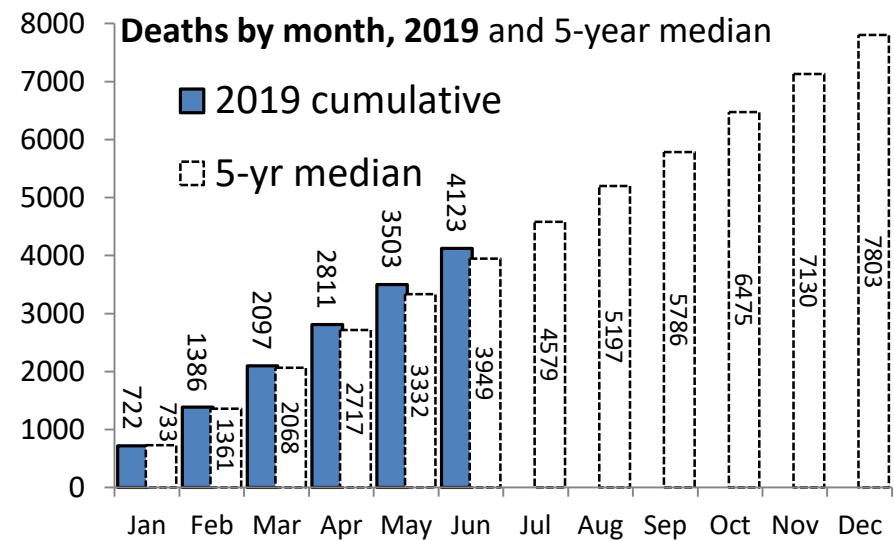
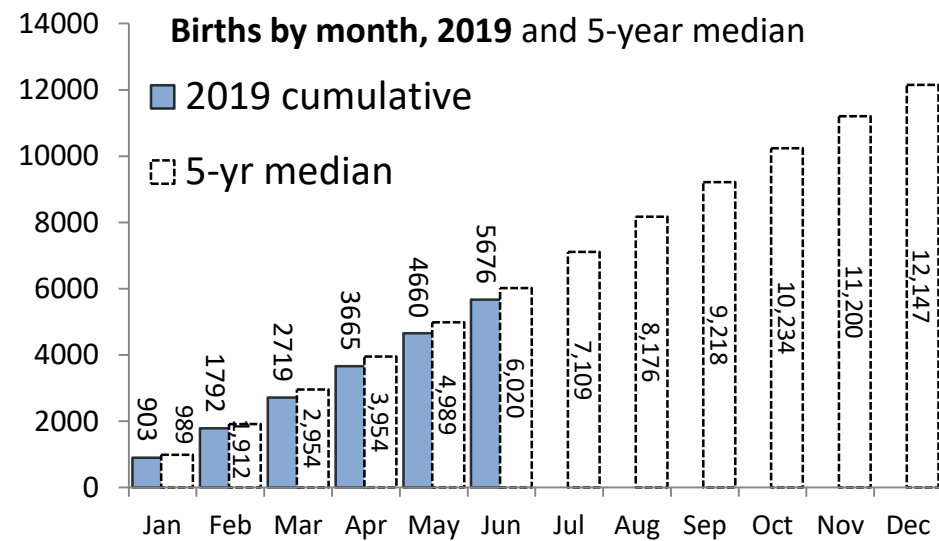
MRSA and C. difficile LabId event rates per 1,000 patient-days, Acute care hospitals, 2017-2018



CLABSI rates (number of infections*1000/number of central line days), Acute care hospitals, 2017-2018



Births and Deaths, South Dakota, 2019



South Dakota Department of Health

doh.sd.gov/strategicplan

Vision **Healthy** People
Healthy Communities
Healthy South Dakota

Mission **To promote, protect and improve the health of every South Dakotan**

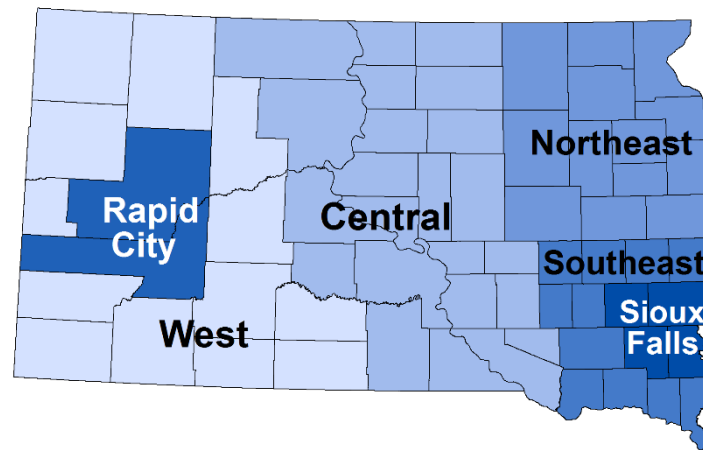
Guiding Principles

- Serve** with integrity
- Eliminate** health disparities
- Demonstrate** leadership and accountability
- Focus** on prevention and outcomes
- Leverage** partnerships
- Promote** innovation



South Dakota Regions

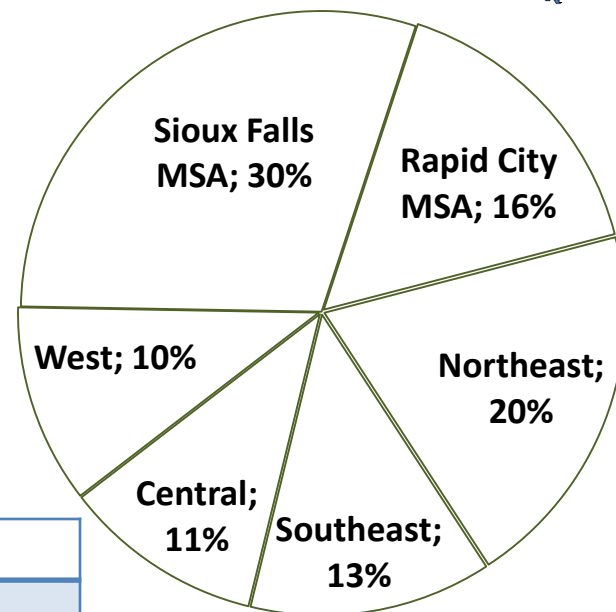
Region	Population	%	Area (sq miles)	Density (people per sq mile)
Sioux Falls MSA*	265,653	29.8%	3,141	84.6
Rapid City MSA*	140,023	15.9%	6,247	22.4
Northeast	175,258	19.8%	12,277	14.3
Southeast	114,333	13.0%	5,863	19.5
Central	93,281	10.8%	24,860	3.8
West	93,687	10.7%	23,508	4.0
South Dakota	882,235	100%	75,896	11.6



*Metropolitan Statistical Area

Age Group	2017 Population	%
<1 year	12,257	1%
1–4 years	49,502	6%
5–14 years	119,675	14%
15–24 years	116,225	13%
25–39 years	168,141	19%
40–64 years	262,242	30%
>65 years	141,624	16%

Region	Population
East River	620,995
West River	261,240



Reportable Diseases List

<https://doh.sd.gov/diseases/infectious/reporting.aspx>

Monthly surveillance reports

<http://doh.sd.gov/statistics/surveillance>

How to report infectious diseases

1. Secure disease reporting website: <http://sd.gov/diseasereport>
2. Telephone: **1-800-592-1861** or **605-773-3737** during normal business hours or after hours for Category I diseases.
3. Fax: **605-773-5509**
4. Mail or courier: Office of Disease Prevention, SD Department of Health, 615 East 4th Street, Pierre, SD 57501; marked "*Confidential Disease Report*"

Department of Health publications

- **Public Health Bulletin:** <http://doh.sd.gov/resources/bulletin.aspx>
- **Adult Risk Behaviors:** <http://doh.sd.gov/statistics/>
- **Youth Risk Behaviors** (Dept of Education): <http://doh.sd.gov/statistics/YRBS.aspx>
- **PRAMS** (Pregnancy risk assessment monitoring system) <https://doh.sd.gov/statistics/prams.aspx>